Use with textbook pages 188-190.

The role of gametes

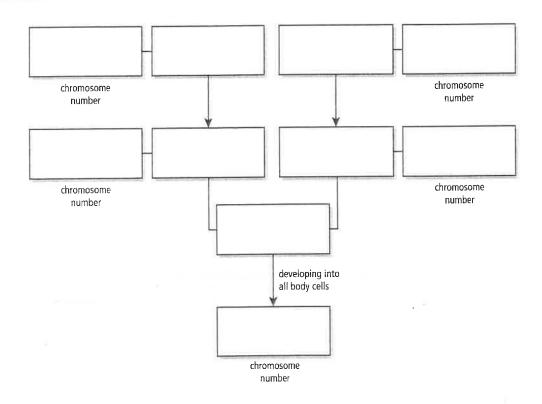
1. Complete the table to show the number of chromosomes for different organisms. The table has been partially completed to help you.

Date

Organism	Diploid number (2n)	Haploid number (n)
human		
fruit fly	8	
black bear		38
peanut	20	
chimpanzee		48

2. Use the terms in the box below to fill in the blanks in the meiosis flow chart. You can use each term more than once. You will not need to use every term.

	Chaines for other blanks		
Choices for chromosome number	Choices for other blanks		
diploid	egg cell		
haploid	female parent		
	fertilization		
	male parent		
	sperm cell		



Use with textbook pages 191-193.

What happens in meiosis?

Vocabulary	A	
2	fertilization	
3	gametes	
4	haploid	
23	meiosis	
46	meiosis I	
body cell	meiosis II	
chromosome	mitosis	
diploid	zygote	
	,,	
embryo	-,30.0	

Use the terms in the vocabulary box to fill in the blanks. You can use each term more than once. You will not need to use every term.

1. Female and male organisms produce spec	cialized cells called
that are necessary for reproduction. Eggs parents. Sperm are the	are the from female from male parents.
During sexual reproduction, the gametes for during a process called	
3. As the zygote undergoes repeatedinto a(n)	and cell division, it matures
4. A human diploid body cell has	pairs of chromosomes.
5. Human gamete cells have a total of	chromosomes. Gametes
6. During meiosis, eachcell divides twice.	_ in a cell is duplicated once and then the
7. The first division of the cell is called diploid cell and finishes with two haploid c	
8. Each of the two haploid cells undergoes a, which starts with the haploid cells.	· ·
9. Meiosis starts with one haploid cells.	cell and ends with

Meiosis • MHR